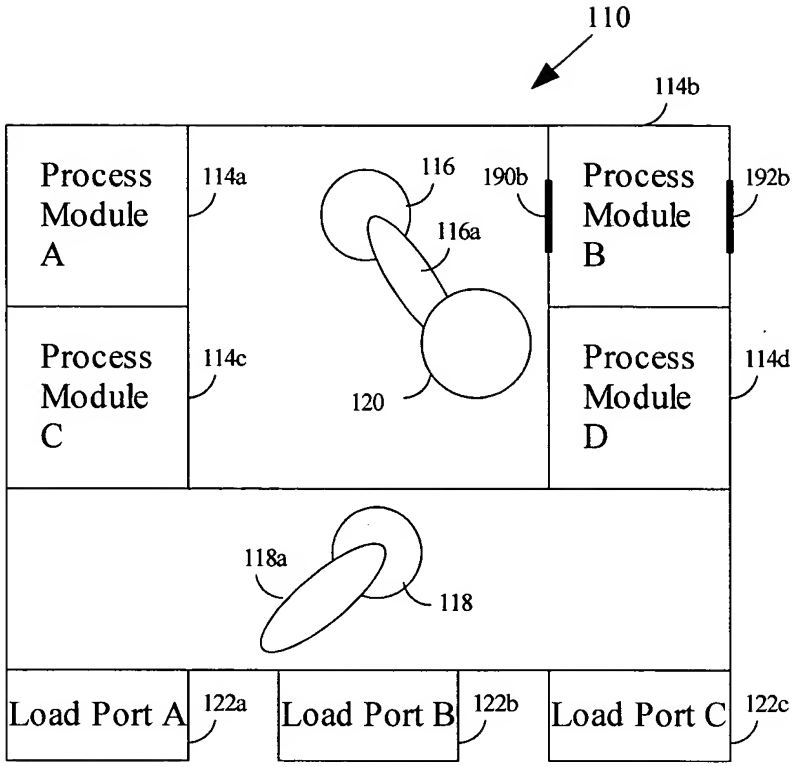
110
114b
Process Module A
114a
116
190b
Process Module B
192b
116a
Process Module C
114c
120
Process Module D
114d
118a
118
Load Port A
122a
Load Port B
122b
Load Port C
122c

FIG. 1A

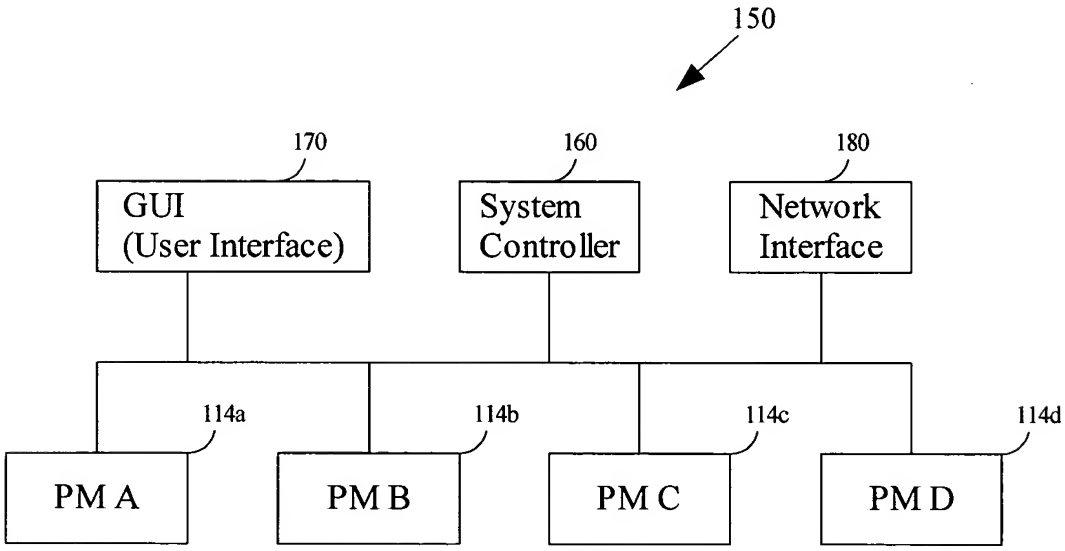
150
170
GUI (User Interface)
160
System Controller
180
Network Interface
114a
PM A
114b
PM B
114c
PM C
114d
PM D

FIG. 1B

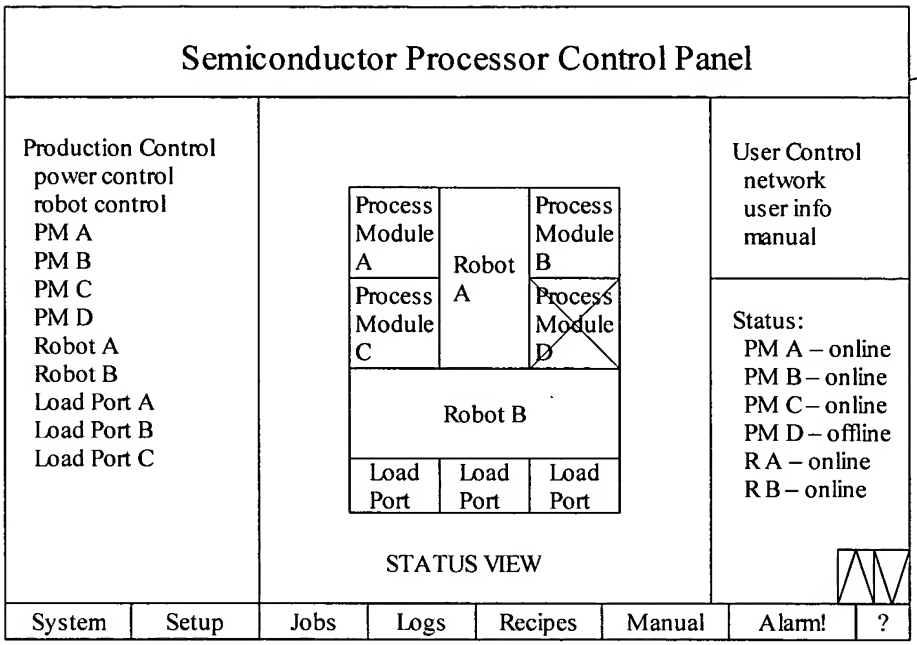
Semiconductor Processor Control Panel
170
Production Control
power control
robot control
PM A
PM B
PM C
PM D
Robot A
Robot B
Load Port A
Load Port B
Load Port C
Process Module A
Robot A
Process Module B
Process Module C
Process Module D
Robot B
Load Port
Load Port
Load Port
STATUS VIEW
User Control
network
user info
manual
Status:
PM A – online
PM B – online
PM C – online
PM D – offline
R A – online
R B – online
System
Setup
Jobs
Logs
Recipes
Manual
Alarm!
?

FIG. 2A

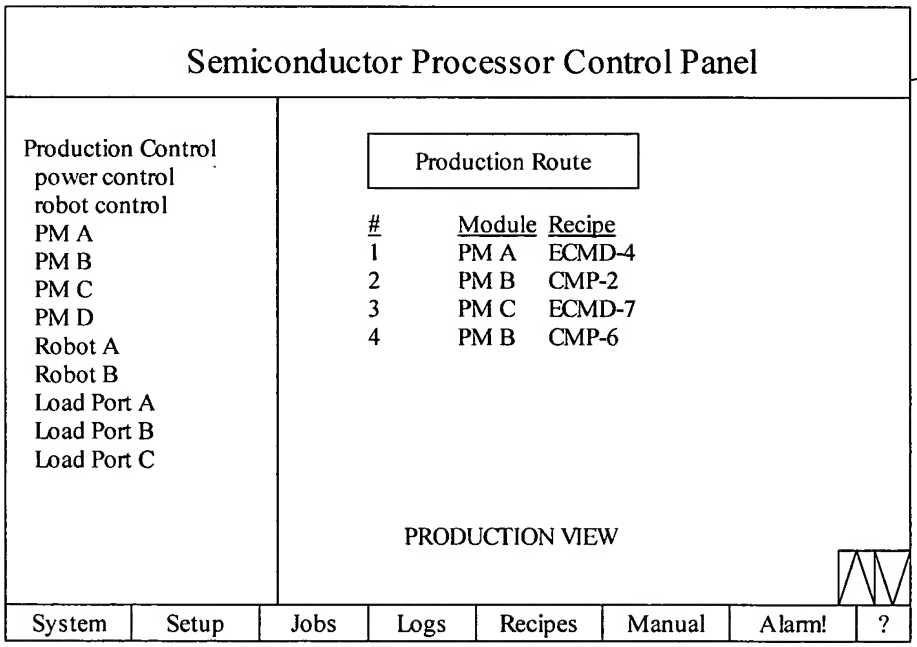
Semiconductor Processor Control Panel
170
Production Control
power control
robot control
PM A
PM B
PM C
PM D
Robot A
Robot B
Load Port A
Load Port B
Load Port C
Production Route
Module Recipe
1 PM A ECMD-4
2 PM B CMP-2
3 PM C ECMD-7
4 PM B CMP-6
PRODUCTION VIEW
System
Setup
Jobs
Logs
Recipes
Manual
Alarm!
?

FIG. 2B

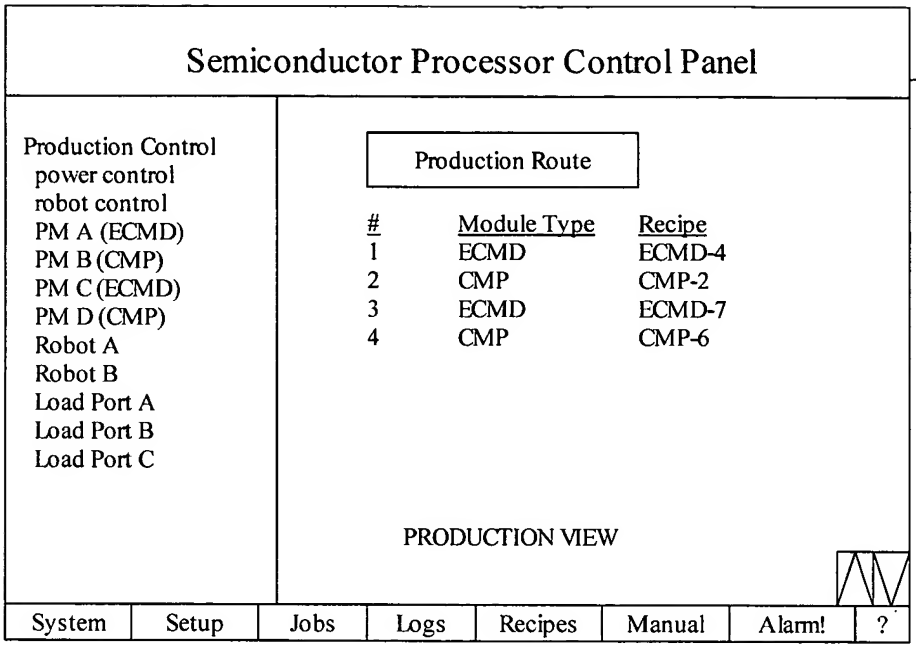
Semiconductor Processor Control Panel
170
Production Control
power control
robot control
PM A (ECMD)
PM B (CMP)
PM C (ECMD)
PM D (CMP)
Robot A
Robot B
Load Port A
Load Port B
Load Port C
Production Route
Module Type Recipe
1 ECMD ECMD-4
2 CMP CMP-2
3 ECMD ECMD-7
4 CMP CMP-6
PRODUCTION VIEW
System
Setup
Jobs
Logs
Recipes
Manual
Alarm!
?

FIG. 2C

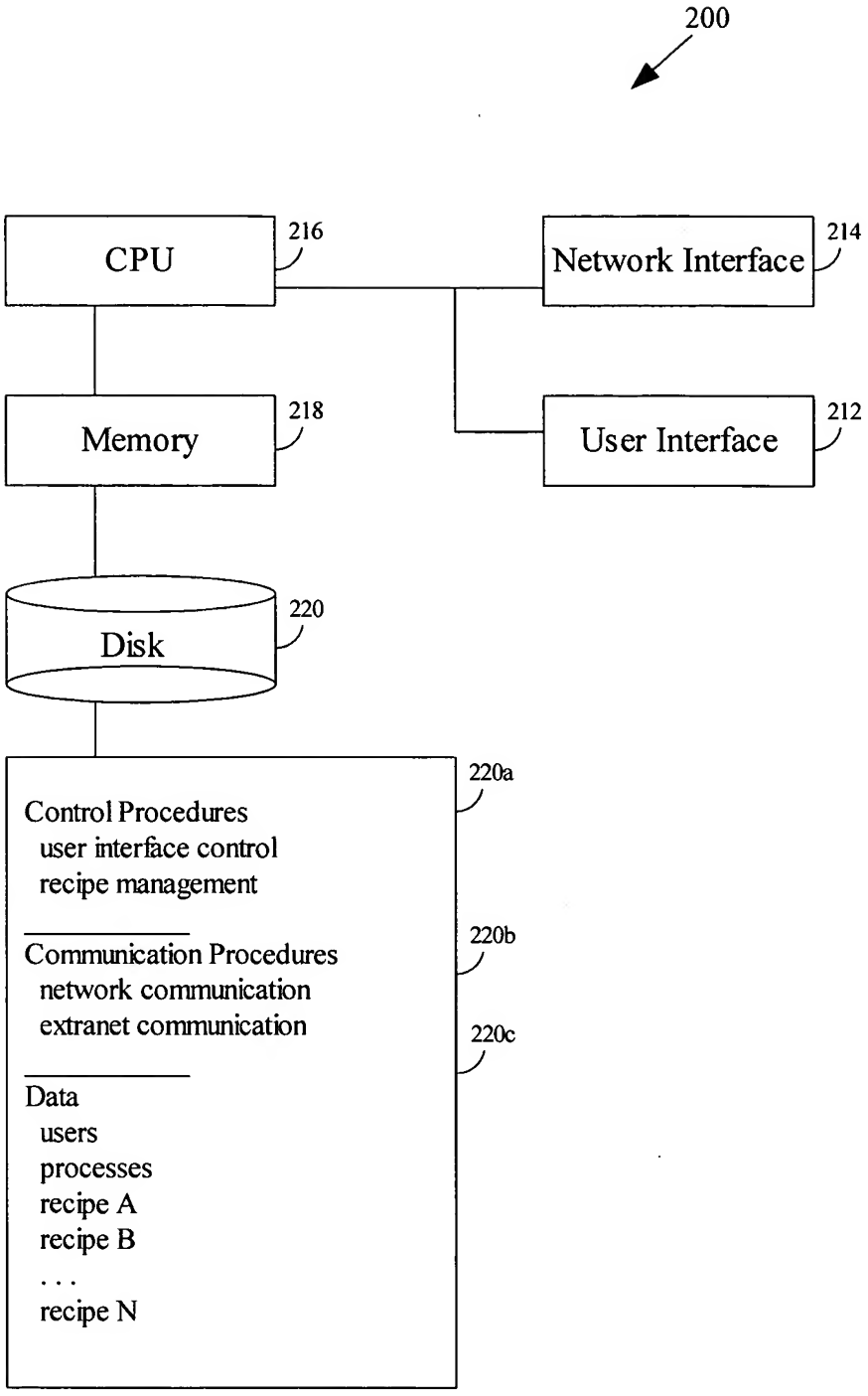

FIG. 3A
GUI Computer

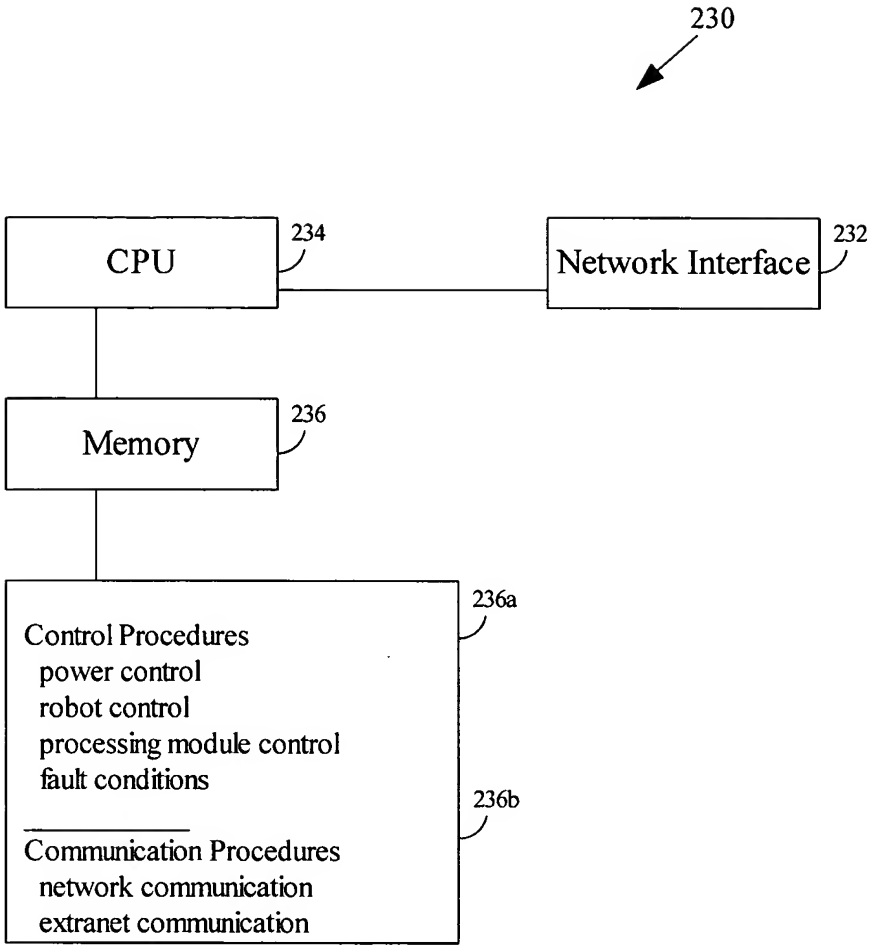

FIG. 3B
System Controller

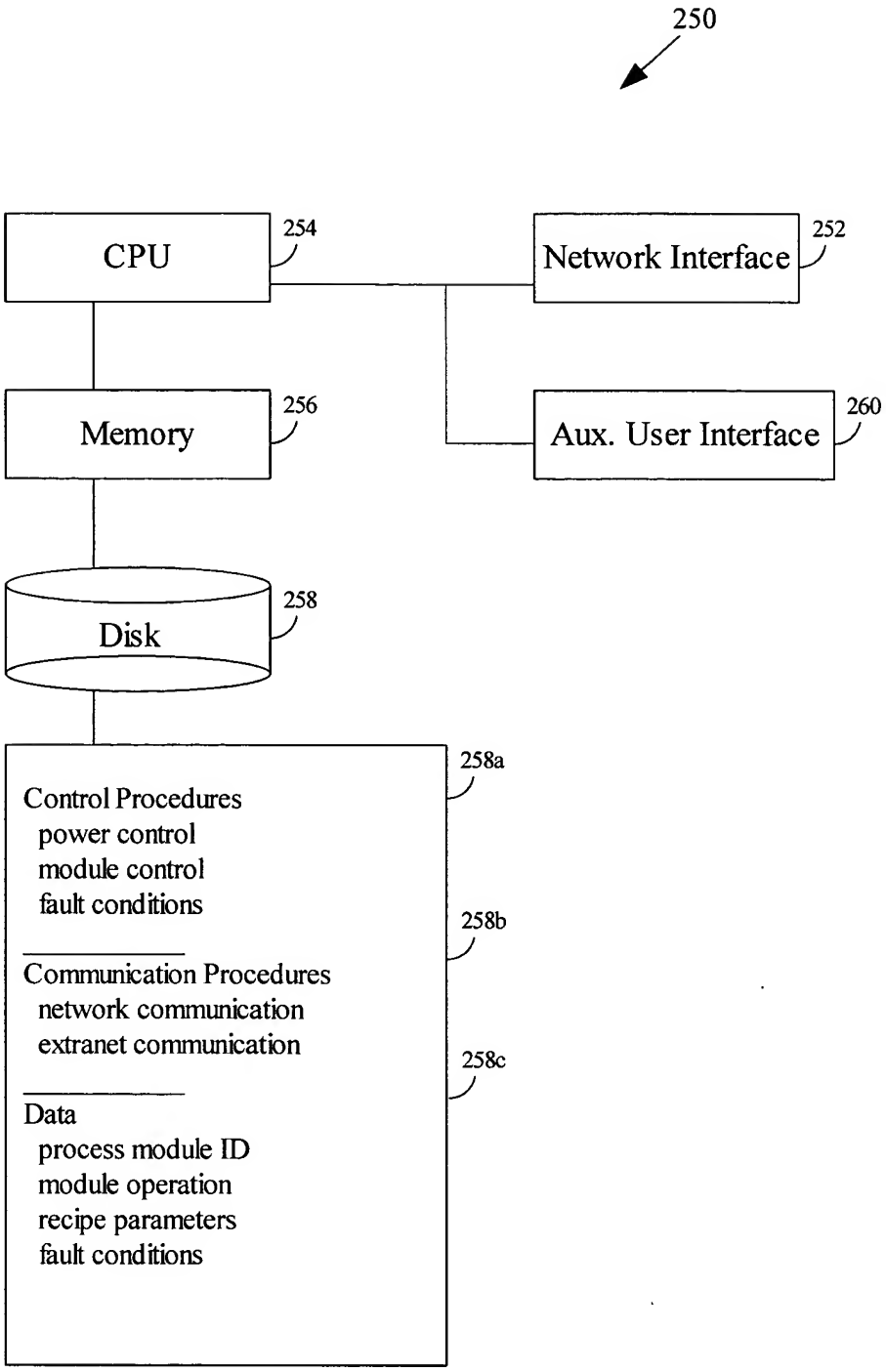

FIG. 3C
Process Module Controller

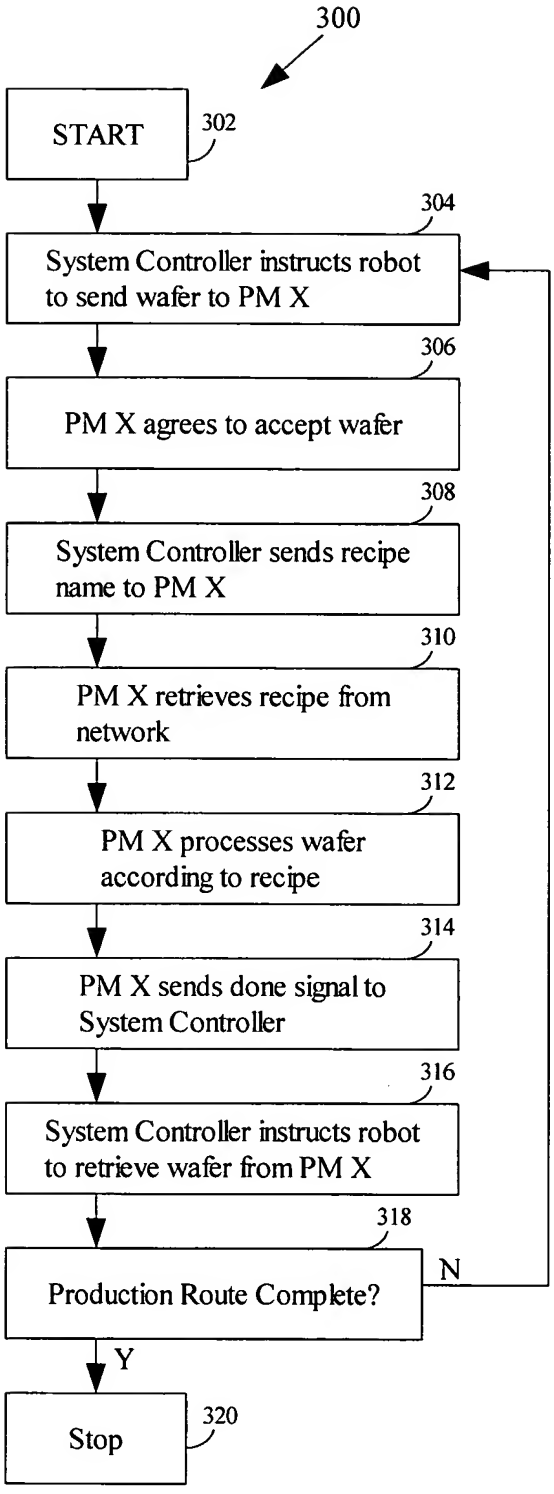

FIG. 4A

Production Mode

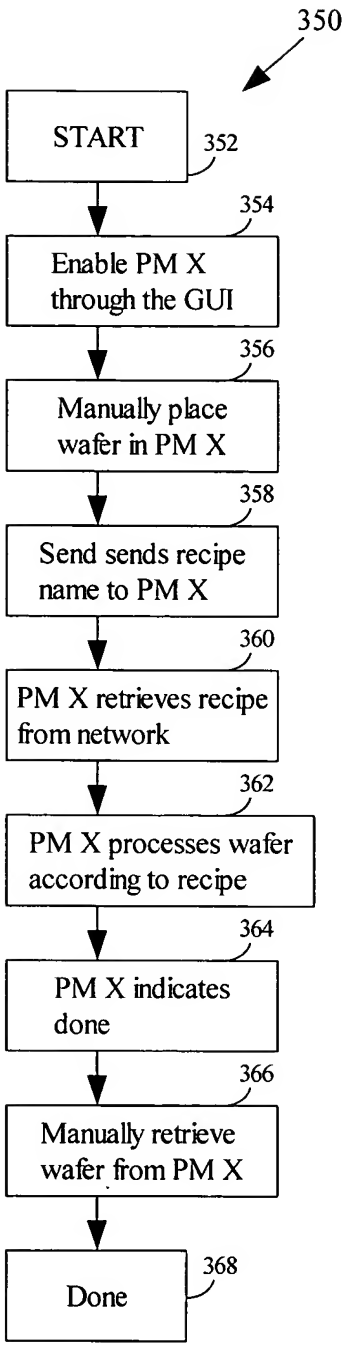

FIG. 4B

Manual Mode

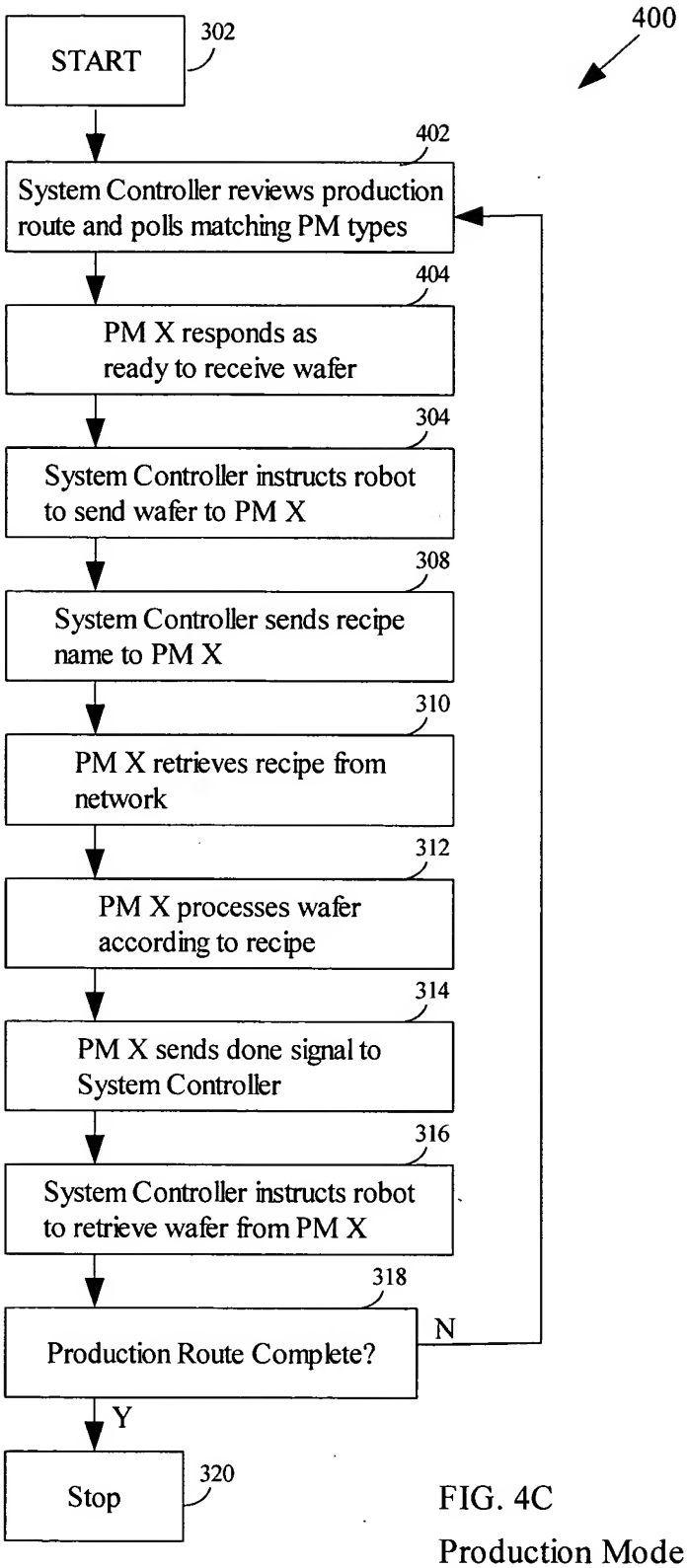

FIG. 4C

Production Mode
with Controller Select

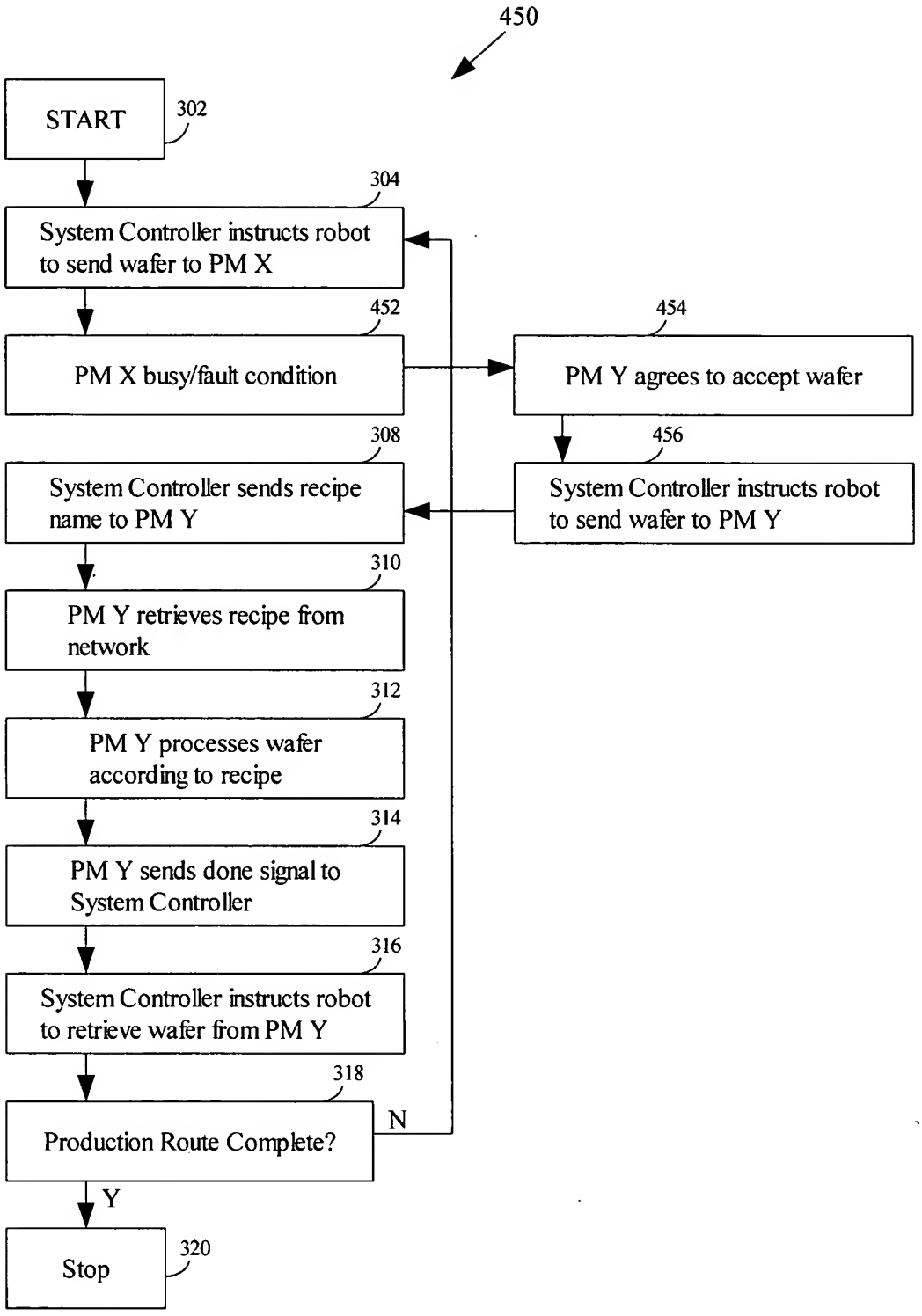

FIG. 4D

Production Mode
with Fault Condition